32.60/4:10/15

Morbidity and Mortality Weekly Report

PUBLIC HEALTH SERVICE
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5131

For release April 21, 1961 | Atlanta 22, Georgia | Vol. 10, No. 15

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended April 15, 1961

Influenza – The isolation of influenza virus, presumptively identified as influenza A_2, from a patient with clinical respiratory disease, was reported by Dr. Robert S. Gohd, Head, Virus and Rickettsial Laboratory, Andrews Air Force Base, Washington, D. C. Although scattered cases such as this have been reported, as well as localized outbreaks in New York City (Vol. 10, No. 13) and Connecticut (Vol. 10, No. 14), influenza epidemics of national significance have not been reported this year. The number of deaths due to influenza and pneumonia has remained within normal seasonal limits for the nation (Graph, page 2, Vol. 10, No. 14).

Diphtheria – Eight cases were reported this week. Mississippi reported its first 1961 cases with 1 in both Adams and Hinds Counties. The cumulative 15 week total stands at 223 cases, a figure slightly less than the 243 cases reported during the comparable period one year ago. See page 8 for a summary of 1960 cases reported to Diphtheria Surveillance Unit, Communicable Disease Center.

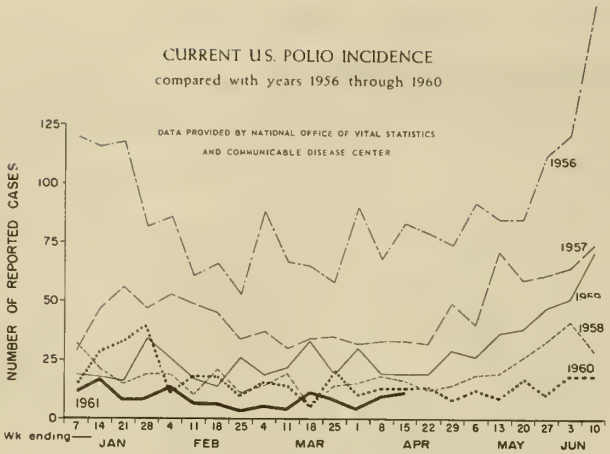
Hepatitis – The sustained high incidence continues. The 1,693 cases reported this week represent a decline from the level of 1900-2000 cases reported over the past 7 weeks this year.

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	15th Week			Cumulative						Approximate seasonal low point
				First 15 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended April 15, 1961	Ended April 16, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax-----062	-	-	*	1	6	*	*	*	*	*
Botulism-----049.1	-	-	*	3	*	*	*	*	*	*
Brucellosis (undulant fever)-----044	10	23	18	76	237	232	*	*	*	*
Diphtheria-----055	8	4	14	223	243	281	303	780	985	July 1
Encephalitis, infectious-----082	29	26	28	390	401	360	390	401	360	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,693	836	417	26,738	11,771	7,386	41,945	19,386	12,861	Sept. 1
Malaria-----110-117	-	1	*	10	14	*	*	*	*	*
Measles-----085	16,989	18,862	20,634	183,291	185,792	226,076	219,501	221,159	262,745	Sept. 1
Meningitis, aseptic-----340 pt.	37	29	---	361	423	---	361	423	---	Jan. 1
Meningococcal infections-----057	44	51	57	752	818	861	1,408	1,511	1,659	Sept. 1
Poliomyelitis-----080	12	12	19	124	239	331	21	23	38	Apr. 1
Paralytic-----080.0,080.1	8	9	13	76	173	234	16	19	26	Apr. 1
Nonparalytic-----080.2	1	1	3	26	38	55	1	2	7	Apr. 1
Unspecified-----080.3	3	2	3	22	28	42	4	2	5	Apr. 1
Psittacosis-----096.2	-	4	*	17	34	*	*	*	*	*
Rabies in man-----094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	8,966	8,199	---	142,302	130,666	---	239,954	---	---	Aug. 1
Typhoid fever-----040	11	11	15	141	151	205	26	24	25	Apr. 1
Typhus fever, endemic-----101	-	1	*	9	6	*	*	*	*	*
Rabies in animals-----	102	80	99	1,045	1,260	1,506	1,621	2,243	2,288	Oct. 1

UNIVERSITY OF FLORIDA LIBRARIES MAY 1961



The graph shows reported 1961 poliomyelitis cases in the United States by week of onset and compares current incidence with the years 1956 through 1960. April is the usual poliomyelitis seasonal low point and current cases reflect this time of expected low activity. A cumulative total of 124 cases (both paralytic and non-paralytic) has been reported through April 15 which compares with 239 cases during the comparable period one year ago.

Poliomyelitis – Poliomyelitis continued at a low seasonal ebb during the past week with reports of 12 cases, 8 paralytic. No State accounted for more than one case except California with 2 paralytic cases, one each in Sonomo and Yolo Counties, and New Jersey with one paralytic case in Union County and one unspecified case. Nebraska reported a case with onset on April 10, a 49-year-old unvaccinated white man with bulbospinal involvement. Utah also reported a bulbar case, a 13-year-old triply vaccinated white female.

A listing of current polio and other enterovirus isolations reported by State Laboratories is included below.

ENTEROVIRUS SURVEILLANCE

REPORTS ON ISOLATIONS FROM STATE LABORATORIES ON 1961 SPECIMENS (RECEIVED APRIL 5 - 18, 1961)

State	Type	Isolates	Dates of Specimens	Reported by
Florida	Polio III	1	2-2-61	N. J. Schneider
	Polio III	2	4-13-61	
Idaho	Polio III	1	3-15-61	A. W. Klotz
Maryland	Echo II	1	2-23-61	C. A. Perry
	Coxsackie B-5	5	2-22-61	
Massachusetts	Polio I	1	3-16-61	G. Edsall
Minnesota	Echo 14	1	1-10-61	H. Bauer
	Echo 1	1	2-14-61	
New Jersey	Polio I	1	3-8-61	E. Shaffer
Ohio	Polio I	1	3-7-61	L. F. Ey

1960 PARALYTIC POLIOMYELITIS – FINAL TOTALS

During 1960, the final total of cases of paralytic poliomyelitis submitted on individual case forms to the Poliomyelitis Surveillance Unit of the Communicable Disease Center, has been tabulated and comes to the figure 2,218. These cases have been corrected for verification of diagnosis sixty days or longer after onset of illness. When such a follow-up report was not submitted, the preliminary diagnosis has been retained. The paralytic cases are presented in the following table by age group and vaccination history. The table includes 2,078 cases with residual paralysis at sixty days, plus 140 cases with a preliminary diagnosis of paralytic poliomyelitis for which no 60-day report was received.

1960 PARALYTIC POLIOMYELITIS WITH RESIDUAL PARALYSIS IN THE UNITED STATES BY VACCINATION HISTORY AND AGE GROUP

Age Group	Doses of Vaccine							
	0	1	2	3	4+	Unk	Total	Percent
0-4	556	100	121	115	41	19	952	43.0
5-9	222	30	52	134	68	8	514	23.2
10-14	52	18	12	56	32	4	174	7.9
15-19	72	9	8	17	4	3	113	5.1
20-29	189	24	14	23	9	5	264	11.9
30-39	105	7	9	10	6	3	140	6.3
40+	52	–	–	1	–	3	56	2.5
Unk.	4	–	–	–	–	1	5	–
Total	1,252	188	216	356	160	46	2,218	100.0
% Doses	57.6	8.7	9.9	16.4	7.4	–	100.0	

(Continued on page 8)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 16, 1960 AND APRIL 15, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	15th Week		Cumulative, first 15 weeks		15th Week		Cumulative, first 15 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	12	12	124	239	8	9	76	173	1	1	37	10
NEW ENGLAND	-	1	3	7	-	1	3	7	-	-	1	-
Maine	-	1	-	3	-	1	-	3	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	2	4	-	-	2	4	-	-	1	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC	3	2	9	36	2	2	7	25	-	-	3	1
New York	-	-	3	29	-	-	2	19	-	-	3	1
New Jersey	2	2	4	5	1	2	3	5	-	-	-	-
Pennsylvania	1	-	2	2	1	-	2	1	-	-	-	-
EAST NORTH CENTRAL	1	2	17	29	1	2	11	9	-	-	5	2
Ohio	-	-	8	15	-	-	4	3	-	-	-	-
Indiana	1	-	2	-	1	-	2	-	-	-	-	-
Illinois	-	1	3	4	-	1	3	3	-	-	2	2
Michigan	-	1	1	8	-	1	1	3	-	-	3	-
Wisconsin	-	-	3	2	-	-	1	-	-	-	-	-
WEST NORTH CENTRAL	2	-	4	13	1	-	3	7	-	-	3	4
Minnesota	-	-	1	8	-	-	1	6	-	-	1	-
Iowa	1	-	1	3	-	-	-	1	-	-	2	1
Missouri	-	-	-	1	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	1	-	-	-	-	-	-	-	-
Nebraska	1	-	2	-	1	-	2	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-	-	-	3
SOUTH ATLANTIC	1	-	13	42	1	-	9	35	-	-	-	-
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	-	-	-	1	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia	-	-	2	3	-	-	1	3	-	-	-	-
North Carolina	-	-	3	13	-	-	2	13	-	-	-	-
South Carolina	1	-	1	2	1	-	1	2	-	-	-	-
Georgia	-	-	2	2	-	-	2	2	-	-	-	-
Florida	-	-	3	21	-	-	2	15	-	-	-	-
EAST SOUTH CENTRAL	-	-	14	8	-	-	3	7	-	-	3	1
Kentucky	-	-	13	6	-	-	2	5	-	-	1	-
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-
Alabama	-	-	-	1	-	-	-	1	-	-	-	-
Mississippi	-	-	1	1	-	-	1	1	-	-	2	1
WEST SOUTH CENTRAL	1	1	15	18	-	1	6	15	1	-	4	-
Arkansas	-	-	1	-	-	-	-	-	-	-	1	-
Louisiana	1	-	4	5	-	-	2	4	1	-	-	-
Oklahoma	-	-	-	1	-	-	-	1	-	-	1	-
Texas	-	1	10	12	-	1	4	10	-	-	2	-
MOUNTAIN	1	2	16	14	1	-	10	8	-	-	4	2
Montana	-	-	1	4	-	-	1	3	-	-	-	1
Idaho	-	-	3	4	-	-	1	1	-	-	-	-
Wyoming	-	1	-	1	-	-	-	-	-	-	-	-
Colorado	-	-	3	1	-	-	3	1	-	-	4	1
New Mexico	-	1	1	1	-	-	-	-	-	-	-	-
Arizona	-	-	2	2	-	-	1	2	-	-	-	-
Utah	1	-	6	1	1	-	4	1	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	3	4	33	72	2	3	24	60	-	1	14	-
Washington	1	-	2	6	-	-	-	6	-	-	1	-
Oregon	-	1	2	12	-	1	1	8	-	-	1	-
California	2	3	28	53	2	2	22	45	-	1	12	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	1	1	-	-	1	1	-	-	-	-
Puerto Rico	-	4	2	51	-	4	2	50	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 16, 1960 AND APRIL 15, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

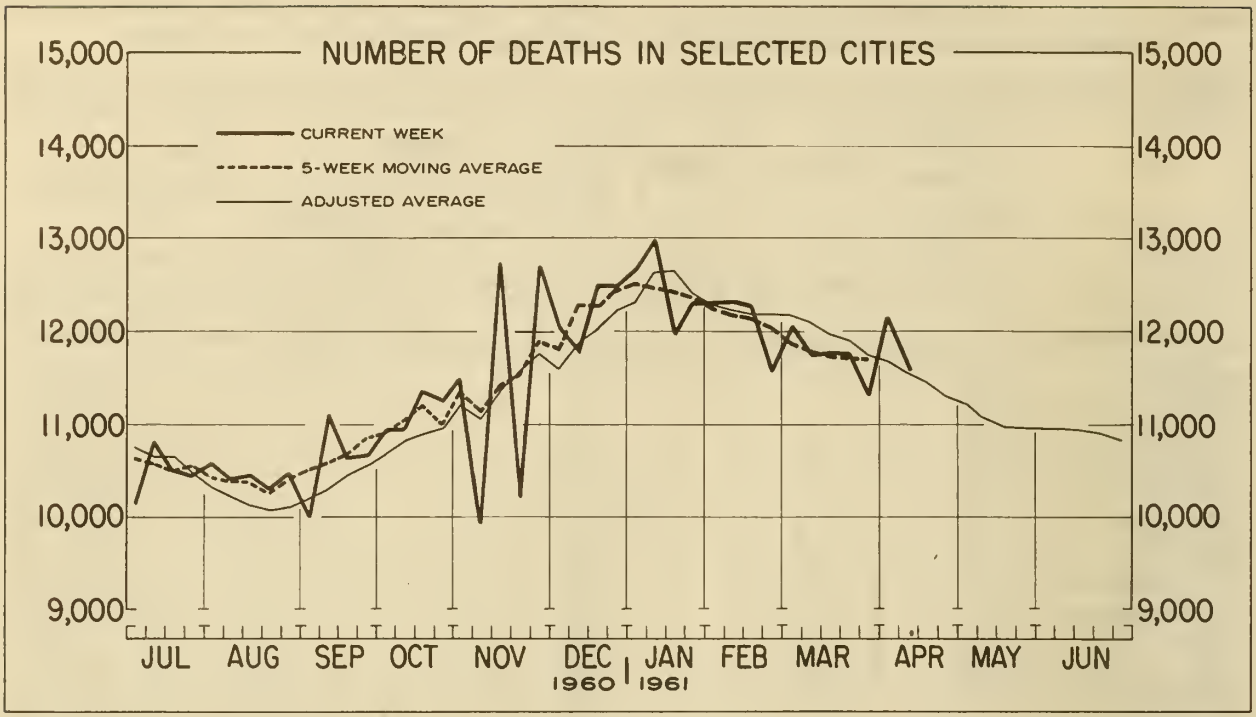
Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	15th Week		Cumulative, first 15 weeks		082		15th Week		Cumulative, first 15 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	8	4	223	243	29	26	1,693	836	26,738	11,567	16,989	18,862
NEW ENGLAND	-	1	2	7	2	-	39	18	759	368	1,721	2,129
Maine	-	-	-	2	-	-	5	-	39	27	30	190
New Hampshire	-	-	-	-	-	-	-	2	47	11	21	12
Vermont	-	-	-	-	-	-	6	-	111	6	18	166
Massachusetts	-	1	2	4	1	-	14	12	258	191	886	1,091
Rhode Island	-	-	-	1	1	-	9	4	102	66	488	72
Connecticut	-	-	-	-	-	-	5	-	202	67	278	598
MIDDLE ATLANTIC	-	-	10	7	4	3	199	92	3,930	1,124	3,077	3,128
New York	-	-	3	1	-	1	63	46	1,587	569	900	2,604
New Jersey	-	-	-	1	1	1	67	8	982	84	868	369
Pennsylvania	-	-	7	5	3	1	69	38	1,361	471	1,309	155
EAST NORTH CENTRAL	-	-	7	22	2	2	318	151	5,136	2,293	5,140	5,561
Ohio	-	-	1	14	-	1	108	63	1,975	707	877	1,002
Indiana	-	-	1	3	-	1	57	11	874	336	250	323
Illinois	-	-	4	2	-	-	39	44	804	481	547	1,048
Michigan	-	-	1	3	2	-	109	32	1,352	646	1,811	1,356
Wisconsin	-	-	-	-	-	-	5	1	131	123	1,655	1,832
WEST NORTH CENTRAL	3	1	16	13	2	-	229	59	2,736	1,013	677	433
Minnesota	1	-	7	3	-	-	38	3	632	99	14	277
Iowa	-	-	1	2	-	-	87	9	757	196	225	80
Missouri	-	1	-	2	-	-	56	24	620	370	344	19
North Dakota	2	-	2	1	-	-	2	1	52	83	81	54
South Dakota	-	-	5	4	-	-	3	4	107	95	-	-
Nebraska	-	-	1	-	-	-	19	9	268	83	13	3
Kansas	-	-	-	1	2	-	24	9	300	87	NN	NN
SOUTH ATLANTIC	1	-	41	53	5	5	235	169	3,190	1,389	1,309	883
Delaware	-	-	-	-	-	-	4	2	93	62	13	5
Maryland	-	-	1	-	1	1	19	10	289	141	155	182
District of Columbia	-	-	2	-	-	1	1	-	33	11	9	57
Virginia	-	-	7	8	-	-	32	9	402	294	271	225
West Virginia	-	-	1	1	-	-	50	19	681	275	253	126
North Carolina	-	-	5	2	-	1	63	22	740	97	212	38
South Carolina	-	-	-	13	-	-	15	-	213	30	94	18
Georgia	1	-	8	8	-	-	20	3	364	116	56	2
Florida	-	-	17	21	4	2	31	104	375	363	246	230
EAST SOUTH CENTRAL	2	-	8	28	3	-	207	88	4,536	1,816	842	1,446
Kentucky	-	-	3	-	-	-	27	32	1,300	790	40	569
Tennessee	-	-	2	5	3	-	97	30	1,910	561	555	768
Alabama	-	-	1	16	-	-	36	14	742	337	150	58
Mississippi	2	-	2	7	-	-	47	12	584	128	97	51
WEST SOUTH CENTRAL	2	1	134	85	2	1	154	84	1,877	879	639	2,555
Arkansas	-	-	1	1	2	-	41	5	392	40	48	97
Louisiana	-	-	13	20	-	-	19	4	147	33	-	19
Oklahoma	-	-	2	5	-	-	8	12	125	136	4	26
Texas	2	1	118	59	-	1	86	63	1,213	670	587	2,413
MOUNTAIN	-	1	5	27	-	-	133	49	1,732	974	823	816
Montana	-	-	2	2	-	-	16	-	191	44	41	69
Idaho	-	-	-	11	-	-	7	5	95	140	102	104
Wyoming	-	-	-	5	-	-	10	1	74	8	4	-
Colorado	-	-	3	2	-	-	62	28	579	301	112	169
New Mexico	-	-	-	2	-	-	5	7	240	167	NN	-
Arizona	-	1	-	2	-	-	7	4	186	211	470	195
Utah	-	-	-	3	-	-	24	4	311	86	59	194
Nevada	-	-	-	-	-	-	2	-	56	17	35	85
PACIFIC	-	-	-	1	9	15	179	126	2,842	1,711	2,761	1,911
Washington	-	-	-	-	-	-	43	17	387	202	235	452
Oregon	-	-	-	-	-	-	29	30	513	335	179	412
California	-	-	-	-	9	15	105	74	1,809	1,059	2,333	903
Alaska	-	-	-	1	-	-	1	3	112	78	10	45
Hawaii	-	-	-	-	-	-	1	2	21	37	4	99
Puerto Rico	1	1	26	64	-	-	10	8	185	314	35	52

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 16, 1960 AND APRIL 15, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria 110-117	Meningoccocal infections 057		Psittacosis 096.2	Streptococcal sore throat, etc. 050,051	Typhoid fever 040				Typhus fever, endemic 101	Rabies in animals	
						15th Week		Cumulative, first 15 weeks				
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	-	44	51	-	8,966	11	11	141	151	-	102	80
NEW ENGLAND	-	5	5	-	712	1	1	4	2	-	-	-
Maine	-	-	1	-	34	-	-	1	-	-	-	-
New Hampshire	-	-	-	-	11	-	-	-	-	-	-	-
Vermont	-	-	-	-	8	-	-	-	-	-	-	-
Massachusetts	-	3	4	-	216	-	1	1	2	-	-	-
Rhode Island	-	-	-	-	56	-	-	1	-	-	-	-
Connecticut	-	2	-	-	387	1	-	1	-	-	-	-
MIDDLE ATLANTIC	-	7	12	-	1,340	-	-	8	6	-	3	20
New York	-	4	8	-	974	-	-	3	4	-	2	20
New Jersey	-	1	3	-	158	-	-	1	-	-	-	-
Pennsylvania	-	2	1	-	208	-	-	4	2	-	1	-
EAST NORTH CENTRAL	-	11	8	-	1,091	6	3	21	21	-	7	14
Ohio	-	2	1	-	211	2	-	6	1	-	-	6
Indiana	-	2	2	-	181	-	1	2	7	-	3	1
Illinois	-	3	5	-	149	4	-	11	4	-	1	1
Michigan	-	4	-	-	370	-	1	1	5	-	3	4
Wisconsin	-	-	-	-	180	-	1	1	4	-	-	2
WEST NORTH CENTRAL	-	3	4	-	297	-	-	12	9	-	42	12
Minnesota	-	1	-	-	11	-	-	4	1	-	3	1
Iowa	-	-	-	-	50	-	-	1	-	-	13	6
Missouri	-	1	-	-	145	-	-	5	7	-	9	4
North Dakota	-	-	1	-	33	-	-	-	-	-	3	1
South Dakota	-	1	-	-	-	-	-	-	1	-	11	-
Nebraska	-	-	2	-	-	-	-	-	-	-	3	-
Kansas	-	-	1	-	58	-	-	2	-	-	-	-
SOUTH ATLANTIC	-	8	8	-	713	1	-	25	20	-	19	7
Delaware	-	-	-	-	3	-	-	-	-	-	-	-
Maryland	-	1	2	-	109	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	1	-	-	1	1	-	-	-
Virginia	-	1	-	-	111	-	-	-	3	-	5	4
West Virginia	-	1	-	-	340	-	-	4	1	-	9	2
North Carolina	-	3	2	-	40	-	-	6	7	-	-	-
South Carolina	-	1	-	-	23	-	-	2	6	-	-	-
Georgia	-	-	-	-	7	1	-	10	-	-	-	1
Florida	-	1	4	-	79	-	-	2	2	-	5	-
EAST SOUTH CENTRAL	-	1	3	-	1,217	1	-	20	29	-	8	7
Kentucky	-	-	1	-	103	-	-	4	10	-	4	1
Tennessee	-	-	-	-	1,038	1	-	14	17	-	3	5
Alabama	-	-	1	-	17	-	-	2	2	-	1	1
Mississippi	-	1	1	-	59	-	-	-	-	-	-	-
WEST SOUTH CENTRAL	-	-	1	-	1,112	-	5	20	40	-	16	17
Arkansas	-	-	-	-	10	-	1	2	14	-	2	4
Louisiana	-	-	-	-	5	-	2	3	12	-	3	-
Oklahoma	-	-	-	-	80	-	-	2	2	-	-	-
Texas	-	-	1	-	1,017	-	2	13	12	-	11	13
MOUNTAIN	-	1	1	-	1,623	1	1	14	10	-	2	1
Montana	-	-	-	-	35	-	-	1	5	-	-	-
Idaho	-	-	-	-	164	-	-	-	-	-	-	-
Wyoming	-	-	-	-	55	-	1	-	1	-	-	-
Colorado	-	1	-	-	754	-	-	5	-	-	1	-
New Mexico	-	-	-	-	314	-	-	3	4	-	-	1
Arizona	-	-	1	-	211	-	-	2	-	-	1	-
Utah	-	-	-	-	86	1	-	2	-	-	-	-
Nevada	-	-	-	-	4	-	-	1	-	-	-	-
PACIFIC	-	8	9	-	861	1	1	17	14	-	5	2
Washington	-	1	-	-	380	-	-	1	-	-	-	-
Oregon	-	-	4	-	73	-	-	-	-	-	-	-
California	-	6	5	-	348	1	1	16	14	-	5	2
Alaska	-	1	-	-	56	-	-	-	-	-	-	-
Hawaii	-	-	-	-	4	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	7	-	-	6	14	1	-	1



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	15th week ended April 15, 1961	14th week ended April 8, 1961	Adjusted average, 15th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 15 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	11,584	12,134	11,558	+0.2	180,901	191,058	- 5.3
New England (14 cities)	745	769	690	+ 8.0	11,129	12,159	- 8.5
Middle Atlantic (20 cities)	3,229	3,538	3,231	- 0.1	51,974	52,066	- 0.2
East North Central (21 cities)	2,553	2,720	2,446	+ 4.4	38,036	40,920	- 7.0
West North Central (9 cities)	811	815	813	- 0.2	12,139	13,282	- 8.6
South Atlantic (11 cities)	1,031	1,011	979	+ 5.3	15,613	16,936	- 7.8
East South Central (8 cities)	499	516	524	- 4.8	8,352	8,867	- 5.8
West South Central (13 cities)	1,031	921	1,013	+ 1.8	15,603	17,034	- 8.4
Mountain (8 cities)	326*	418	369	-11.7	5,779	5,849	- 1.2
Pacific (13 cities)	1,359	1,426	1,493	- 9.0	22,276	23,945	- 7.0

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	15th week ended April 15, 1961	14th week ended April 8, 1961	Cumulative, first 15 weeks 1961	Cumulative, first 15 weeks 1960
NEW ENGLAND:				
Boston, Mass.	249	265	3,815	4,264
Bridgeport, Conn.	42	46	600	675
Cambridge, Mass.	35	42	465	523
Fall River, Mass.	28	25	414	507
Hartford, Conn.	56	62	728	775
Lowell, Mass.	20	16	374	393
Lynn, Mass.	27	16	354	429
New Bedford, Mass.	22	26	421	403
New Haven, Conn.	52	59	719	732
Providence, R.I.	69	71	967	1,056
Somerville, Mass.	18	12	204	248
Springfield, Mass.	42	43	740	795
Waterbury, Conn.	27	28	438	454
Worcester, Mass.	58	58	890	905
MIDDLE ATLANTIC:				
Albany, N.Y.	45	42	737	698
Allentown, Pa.	35	46	530	560
Buffalo, N.Y.	144	166	2,259	2,348
Camden, N.J.	50	53	665	719
Elizabeth, N.J.	21	30	454	485
Erie, Pa.	36	49	615	597
Jersey City, N.J.	51	63	1,063	1,153
Newark, N.J.	108	123	1,629	1,594
New York City, N.Y.	1,709	1,847	26,846	26,326
Paterson, N.J.	32	47	595	646
Philadelphia, Pa.	506	511	8,147	8,042
Pittsburgh, Pa.	151	175	2,942	3,195
Reading, Pa.	24	16	328	389
Rochester, N.Y.	80	114	1,572	1,654
Schenectady, N.Y.	22	36	387	383
Scranton, Pa.	41	46	576	612
Syracuse, N.Y.	63	60	937	1,028
Trenton, N.J.	41	47	710	669
Utica, N.Y.	33	30	467	464
Yonkers, N.Y.	37	37	515	504
EAST NORTH CENTRAL:				
Akron, Ohio	46	53	862	909
Canton, Ohio	40	26	481	594
Chicago, Ill.	782	891	11,499	12,526
Cincinnati, Ohio	186	182	2,440	2,660
Cleveland, Ohio	203	214	3,217	3,546
Columbus, Ohio	130	132	1,745	1,965
Dayton, Ohio	70	87	1,275	1,163
Detroit, Mich.	308	331	5,145	5,663
Evansville, Ind.	48	35	562	619
Flint, Mich.	46	43	659	625
Fort Wayne, Ind.	32	52	617	601
Gary, Ind.	34	30	476	477
Grand Rapids, Mich.	54	51	705	672
Indianapolis, Ind.	159	153	2,289	2,366
Madison, Wis.	20	37	474	501
Milwaukee, Wis.	130	150	1,878	2,031
Peoria, Ill.	37	34	456	487
Rockford, Ill.	34	26	436	450
South Bend, Ind.	41	23	433	469
Toledo, Ohio	99	101	1,523	1,678
Youngstown, Ohio	54	69	864	918
WEST NORTH CENTRAL:				
Des Moines, Iowa	54	52	795	902
Duluth, Minn.	25	37	406	412
Kansas City, Kans.	39	60	604	573
Kansas City, Mo.	118	130	1,962	2,101
Lincoln, Nebr.	(18)	(27)	(437)	(403)
Minneapolis, Minn.	115	120	1,890	1,950
Omaha, Nebr.	74	69	1,087	1,237
WEST NORTH CENTRAL--Con.:				
St. Louis, Mo.	254	234	3,678	4,233
St. Paul, Minn.	80	72	1,033	1,154
Wichita, Kans.	52	41	684	720
SOUTH ATLANTIC:				
Atlanta, Ga.	119	102	1,815	1,934
Baltimore, Md.	255	257	3,903	4,310
Charlotte, N.C.	33	37	567	736
Jacksonville, Fla.	58	51	922	1,072
Miami, Fla.	66	80	1,166	1,221
Norfolk, Va.	62	66	776	734
Richmond, Va.	80	78	1,251	1,349
Savannah, Ga.	31	33	537	636
St. Petersburg, Fla.	(74)	(69)	(1,199)	(1,272)
Tampa, Fla.	89	45	1,072	1,118
Washington, D.C.	192	220	2,992	3,179
Wilmington, Del.	46	42	612	647
EAST SOUTH CENTRAL:				
Birmingham, Ala.	93	93	1,390	1,462
Chattanooga, Tenn.	53	53	784	790
Knoxville, Tenn.	16	34	438	493
Louisville, Ky.	93	77	1,776	1,911
Memphis, Tenn.	105	118	1,858	1,918
Mobile, Ala.	44	45	648	698
Montgomery, Ala.	28	41	514	599
Nashville, Tenn.	67	55	944	996
WEST SOUTH CENTRAL:				
Austin, Tex.	30	37	525	611
Baton Rouge, La.	35	34	449	506
Corpus Christi, Tex.	18	31	382	422
Dallas, Tex.	122	124	1,939	2,037
El Paso, Tex.	35	32	577	642
Fort Worth, Tex.	56	69	1,039	1,104
Houston, Tex.	169	127	2,684	2,827
Little Rock, Ark.	54	46	850	1,030
New Orleans, La.	203	154	2,639	3,038
Oklahoma City, Okla.	73	68	1,203	1,250
San Antonio, Tex.	116	105	1,613	1,725
Shreveport, La.	55	45	822	857
Tulsa, Okla.	65	49	881	985
MOUNTAIN:				
Albuquerque, N. Mex.	15	37	480	494
Colorado Springs, Colo.	16	20	257	271
Denver, Colo.	127	131	1,830	1,948
Ogden, Utah	20	18	241	281
Phoenix, Ariz.	57	95	1,315	1,249
Pueblo, Colo.	16	19	250	234
Salt Lake City, Utah	44*	53	765	786
Tucson, Ariz.	31	45	641	586
PACIFIC:				
Berkeley, Calif.	17	14	259	285
Fresno, Calif.	(54)	(36)	(676)	(779)
Glendale, Calif.	(36)	(44)	(509)	(646)
Honolulu, Hawaii	37	55	620	658
Long Beach, Calif.	63	57	911	886
Los Angeles, Calif.	461	475	7,999	8,764
Oakland, Calif.	99	103	1,502	1,579
Pasadena, Calif.	39	45	516	580
Portland, Oreg.	109	113	1,570	1,731
Sacramento, Calif.	60	69	968	973
San Diego, Calif.	81	83	1,381	1,522
San Francisco, Calif.	185	184	3,187	3,259
San Jose, Calif.	(44)	(37)	(543)	(462)
Seattle, Wash.	137	139	2,057	2,242
Spokane, Wash.	39	47	689	751
Tacoma, Wash.	32	42	617	715
San Juan, P. R.	(34)	(43)	(522)	(544)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

UNIVERSITY OF FLORIDA
3 1262 08864 0262

DIPHTHERIA IN THE UNITED STATES – 1960

Data on 862 diphtheria cases and 245 carriers (asymptomatic persons with positive pharyngeal cultures) occurring in 40 States have been reported by individual case line listing to the Diphtheria Surveillance Unit, CDC. These figures include three sizeable outbreaks: Blackfoot, Idaho (16 cases, 74 carriers); Scott County, Kentucky (53 cases, 80 carriers); and Hale County, Texas (56 cases, 26 carriers). During 1959, data on 868 cases were reported to the Unit.

Most cases occurred during the months of October, November, and December (136, 110 and 126 cases), in keeping with the usual seasonal distribution of diphtheria. Over 80 percent of all cases occurred in the South Atlantic, East South Central, and West South Central States. Texas reported the most cases, 223, an increase of 70 cases over 1959. Children under 10 accounted for 59 percent of the cases. Seventy-seven percent were children under 15, and 13 percent were adults, 20 years and older.

Analysis of immunization data show that 10 percent of cases were fully immunized (either a primary series or a booster within 4 years). Seventy-two percent of cases had a history of no immunization. Nineteen percent of cases occurred in persons with a preceding primary but no subsequent booster dose within 4 years of onset. Immunization status of carriers was uniformly better than cases.

Of 617 cases with known severity, 53 percent were clinically "mild," 36 percent were severe and 11 percent were fatal. Only one fatality had a history of a primary series (26 years preceding illness).

Type of infecting organism was predominantly *mitis* in Southern States and *gravis* in Western States. Of 355 strains isolated from confirmed cases, 331 (93%) were toxigenic and 24 (7%) were non-toxigenic.

INTERNATIONAL NOTES

Influenza – Canada: The isolation of influenza A_2 virus from 5 Armed Force personnel in Ottawa, Canada was reported by the Epidemiology Division, Department of National Health and Welfare, Ottawa, Canada.

Yellow Fever – Peru: The World Health Organization reports that during the period March 26 through April 12, 18 cases of jungle yellow fever were reported in Tingo Mana District, Huanuco Department.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

UNIV OF FL LIB
DOCUMENTS DEPT.
U.S. DEPOSITORY

U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta 22, Georgia
Official Business

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF H.E.W.
US MAIL